

Grade 7 – The Middle Years Programme (IB)

Tailgating Project





Introduction to MYP

- Focus on Design cycle (Investigate, Design, Create, Evaluate).
- Develop IB profile skills (Risk taker, principled, inquirer, communicator, caring, reflective, open-minded, thinkers, balanced, knowledgeable)
- Preparation for the IB.
- Develop the ability to work independently on a project.
- Develop the skills required to produce products to address needs in society.
- To understand how design can be used as a method of communication.



Criterion A: investigate ^{Technology Strand}

Maximum 6 marks

- Investigation is an essential stage in the design cycle. Students are expected to identify the problem, develop a design brief and formulate a design specification. Students are expected to acknowledge the sources of information and document these appropriately.

Achievement level	Descriptor
0	The student does not reach a standard described by any of the descriptors given below.
1–2	The student states the problem. The student investigates the problem, collecting information from sources. The student lists some specifications.
3–4	The student describes the problem, mentioning its relevance. The student investigates the problem, selecting and analysing information from some acknowledged sources. The student describes a test to evaluate the product/solution against the design specification.
5–6	The student explains the problem, discussing its relevance. The student critically investigates the problem, evaluating information from a broad range of appropriate, acknowledged sources. The student describes detailed methods for appropriate testing to evaluate the product/solution against the design specification.



Investigate stage

This stage is divided up into sections:

1. Some investigation
2. Problem
3. Design Specifications
4. Test



1. Some investigation

Objectives

- You should be able to evaluate the importance of the problem for life, society and the environment.

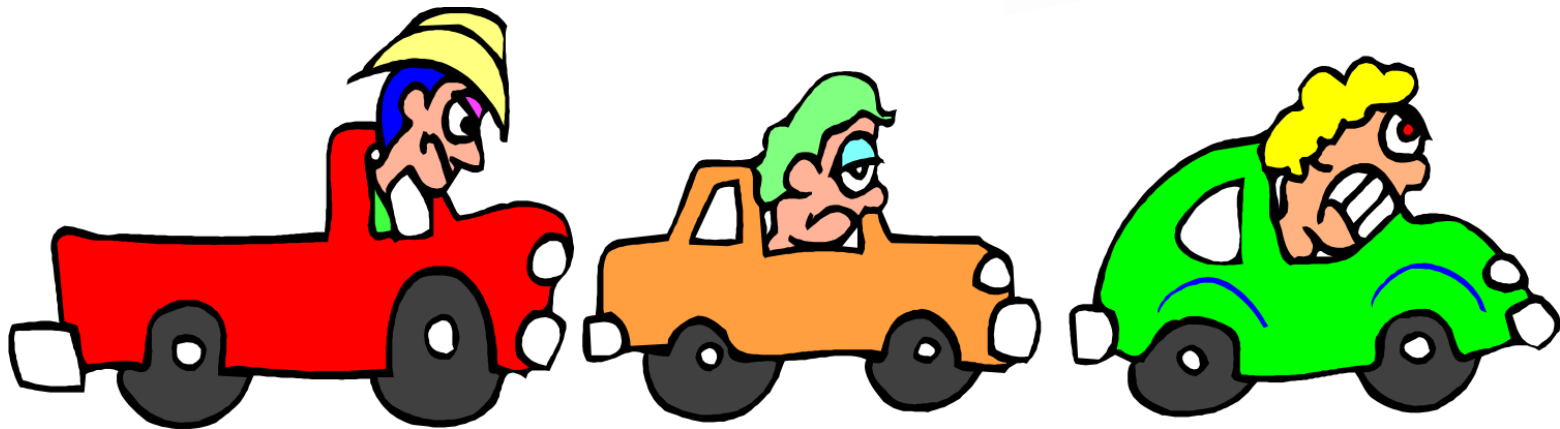


Outcomes

- Investigate tailgating and start your investigation document.
- Identify and acknowledge a range of appropriate sources of information
- Collect, analyse, select, organize and evaluate information
- Evaluate the sources of information.

What is tailgating?

- What is Tailgating?
- Who are the RTA?



Investigate Section

You must do some investigation collecting information from lots of different sources.

- What does **sources** mean?
- Are we allowed to copy and paste?
- What should we have in our investigate document?





Start investigating

- **Make sure you have included text from at least 6 different websites.**
- **Make sure you have saved at least ten pictures into your pictures folder (including website addresses!).**
- **Make sure you have included the addresses of at least 5 different videos.**
- **Can you find any sound?**
- **Make sure you have some information from other sources (brochures, newspaper, interviews etc)**



2. Problem

Objectives

- Identify the problem to be solved

Outcomes

- A paragraph explaining what the problem is a what the possible solution could be.



What is the problem?

Write a paragraph explaining what you think the problem is.

- | |
|---|
| 1. Describe what tailgating is |
| 2. Describe why tailgating is dangerous |
| 3. Explain who the RTA are |
| 4. Explain why RTA want to raise awareness of tailgating |
| 5. Explain what you think the problem is |
| 6. Explain what the RTA wants you to do |
| 7. Explain what you are going to do. |
| 8. Explain how tailgating affects society in Dubai, people, cars, traffic |





3. Design Specification

Objectives

- What is a design specification?

Outcomes

- list the specific requirements that must be met by the product/solution





Design Specification

The design specifications explain what you intend to do in your project! It sets out how you intend to solve the problem you have been given.

Every designer starts work with a design brief. It is a short statement, describing the following things:

1. why the product is needed
2. what the product must do
3. where the product will be used
4. who will use the product



Why?

What?

Where?

Who?



Teacher Design Specification

These are the teacher design specifications. Now write down 6 specifications of your own.

- 1. The presentation must be between 6 – 10 slides.
- 2. You must have one slide that tells us about the people you are going to tell the story to.
- 3. You must insert a relevant video or hyperlink to a video.
- 4. Create a slide that explains what tailgating is.
- 5. Create a menu slide
- 6. Create a slide about you, your school and the traffic around your school.
- 7. Create a slide that tells a short story about tailgating or traffic.
- 8. Create a quiz about tailgating and the short traffic story.
- 9. You must insert relevant text and images.

4. Test

Objectives

- Be able to design a test to evaluate the product against the design specification.

Outcomes

- Create a test.





Extension

- Create a front page for your project (insert your name, name of restaurant).
- Create a contents page.
- Look up the IB profile words on the Internet and write what you think they mean.



Homework

Date set:

Date due:

- You will be developing particular skills during this scheme of work.
- The characteristics below make up the IB learner profile.
- Find the definition of these words using a dictionary or the Internet and write what you think they mean in a word document.

Risk taker, principled, inquirer, communicator,
caring, reflective, open-minded, thinkers,
balanced, knowledgeable



Investigation

For the investigation section, you need to have the following:

1. The Problem
2. The problem checklist
3. Some investigation with URLs
4. Design specification
(9 from teacher - 6 of your own)
5. Design test
6. Some brochures, leaflets, magazine articles,
newspaper articles about traffic or tailgating.

Have you finished?